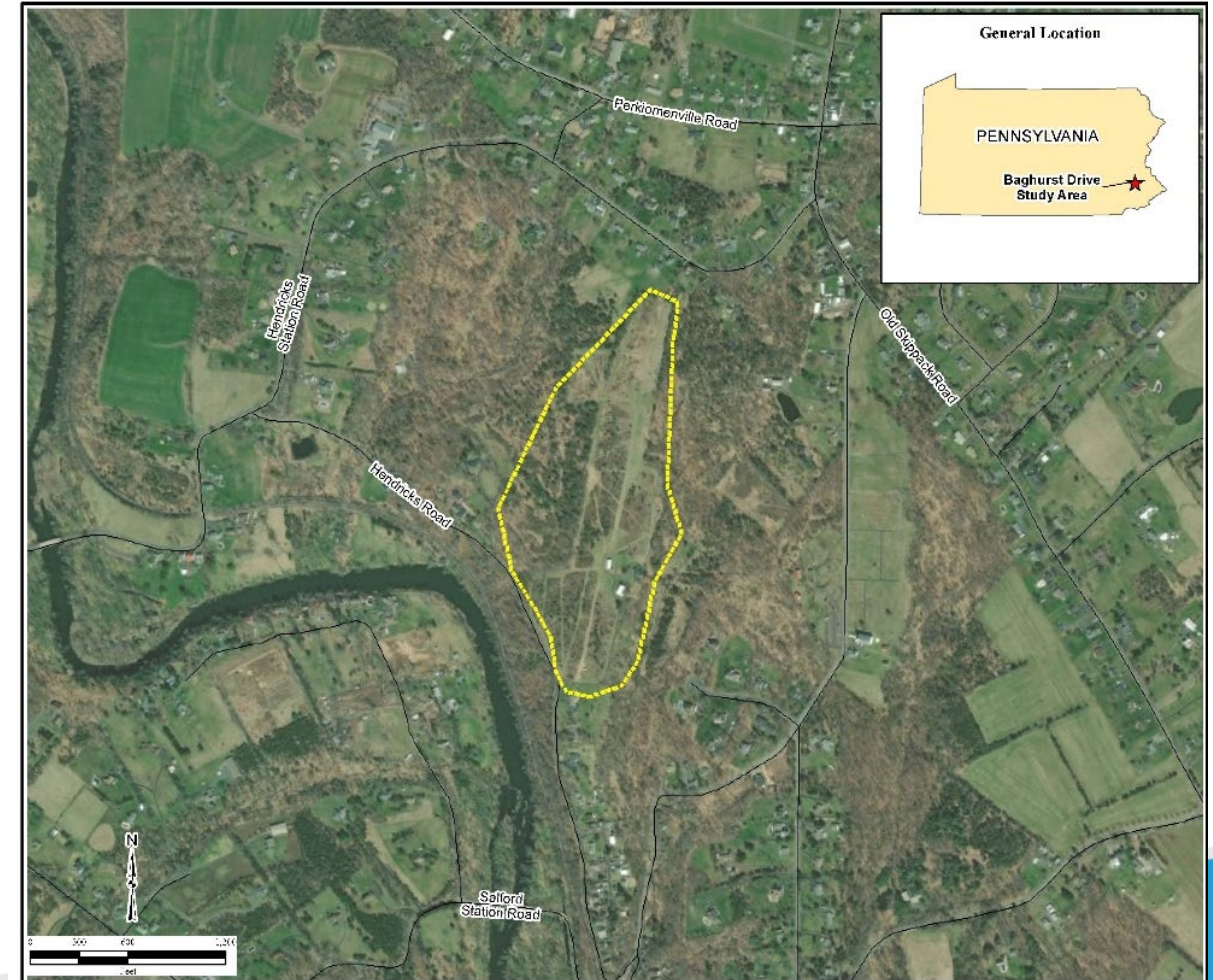


Baghurst Drive Superfund Site Construction Update Upper Salford, PA

August 5, 2025

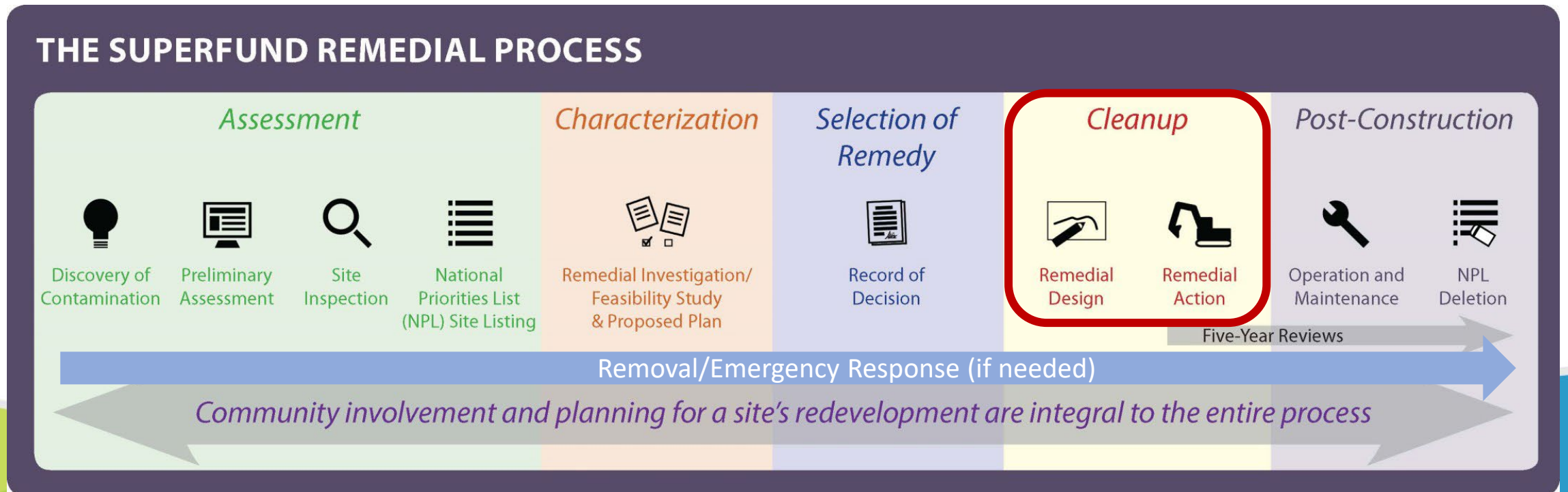
Presentation Overview

- Site background
- Site progress and upcoming activities
- What to expect during cleanup
- Community questions



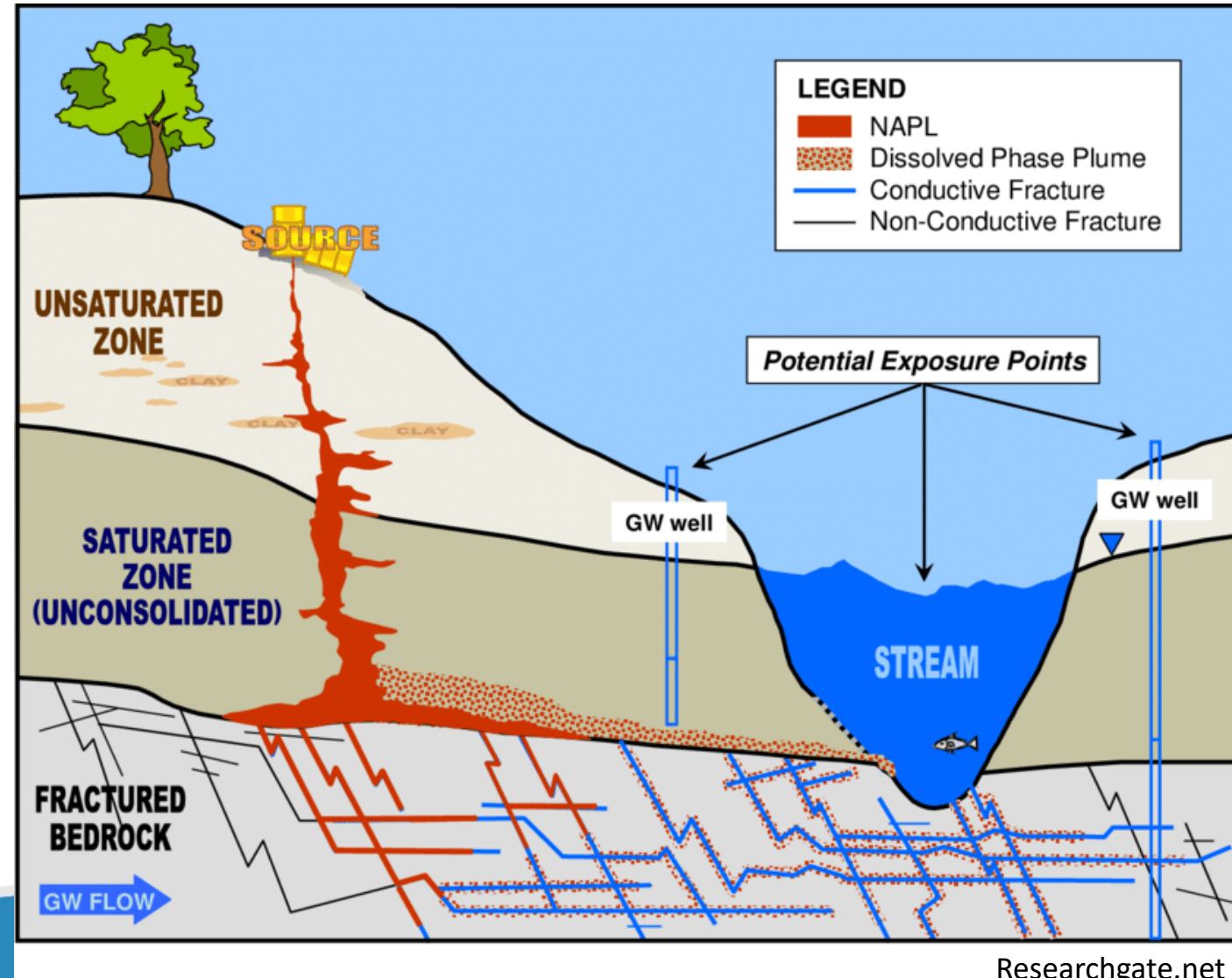
The Superfund Program

- Investigates and cleans up hazardous waste sites
- Aims to return once-contaminated land to reuse after cleanup



Baghurst Drive Background

- 1999: Residential drinking water wells contaminated with 1,1,1-Trichloroethane and other chlorinated volatile organic compounds (VOCs)
- Pennsylvania Department of Environmental Protection (PADEP) supplied bottled water and carbon filtration systems
 - 1,4-Dioxane contamination discovered
- Source traced back to farm
 - Waste disposal activities by former owner
- 2014: site listed on the National Priorities List

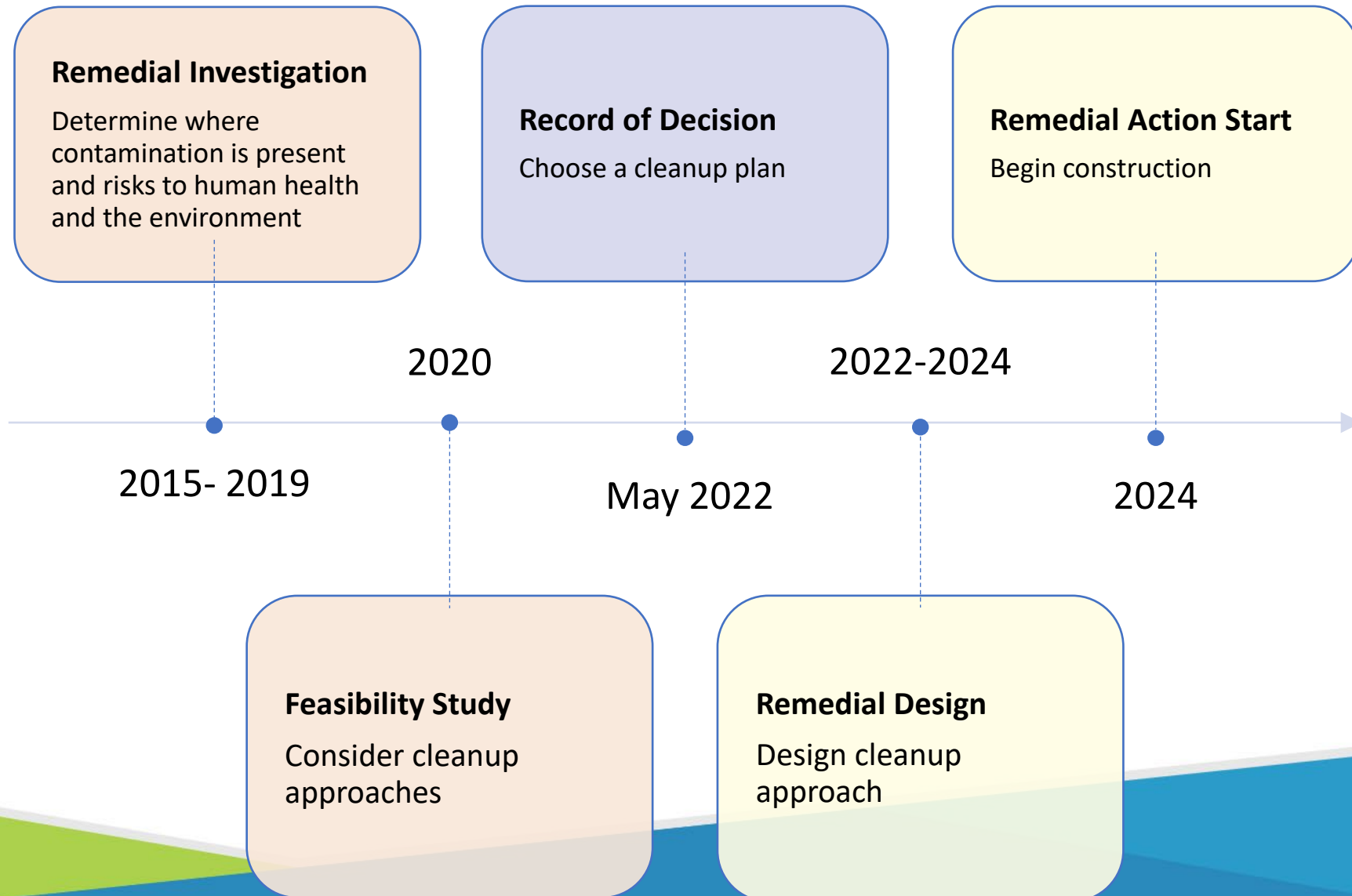


Waterline Completion

- EPA constructed an extension of the public waterline to residences affected by VOCs
- The booster station, which will help maintain consistent water pressure and provide adequate flow, and the water storage tank were constructed along the third baseline of the baseball field in Rahmer Park.
- Waterline hookups completed in Fall 2024

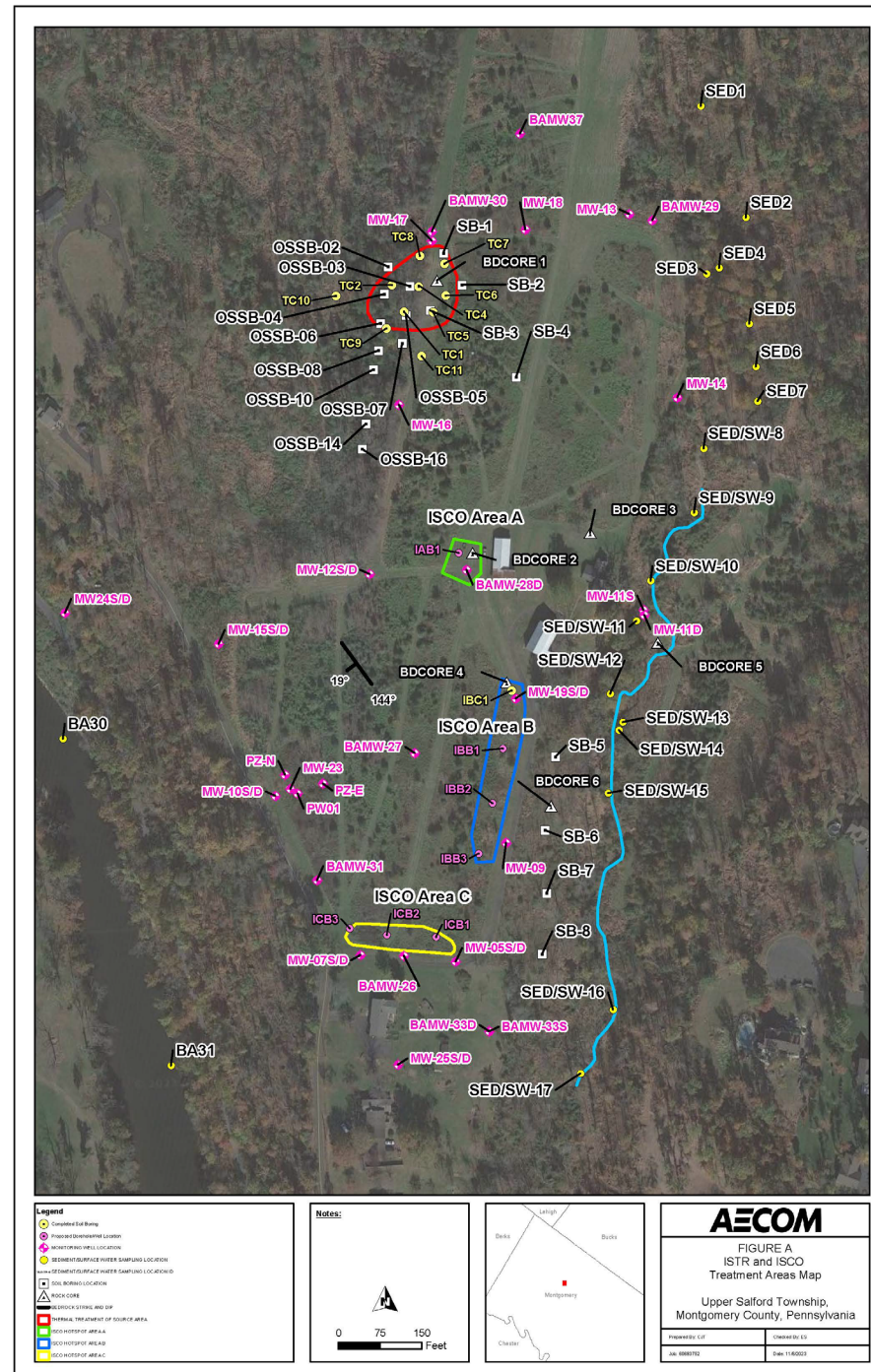


Progress to Date

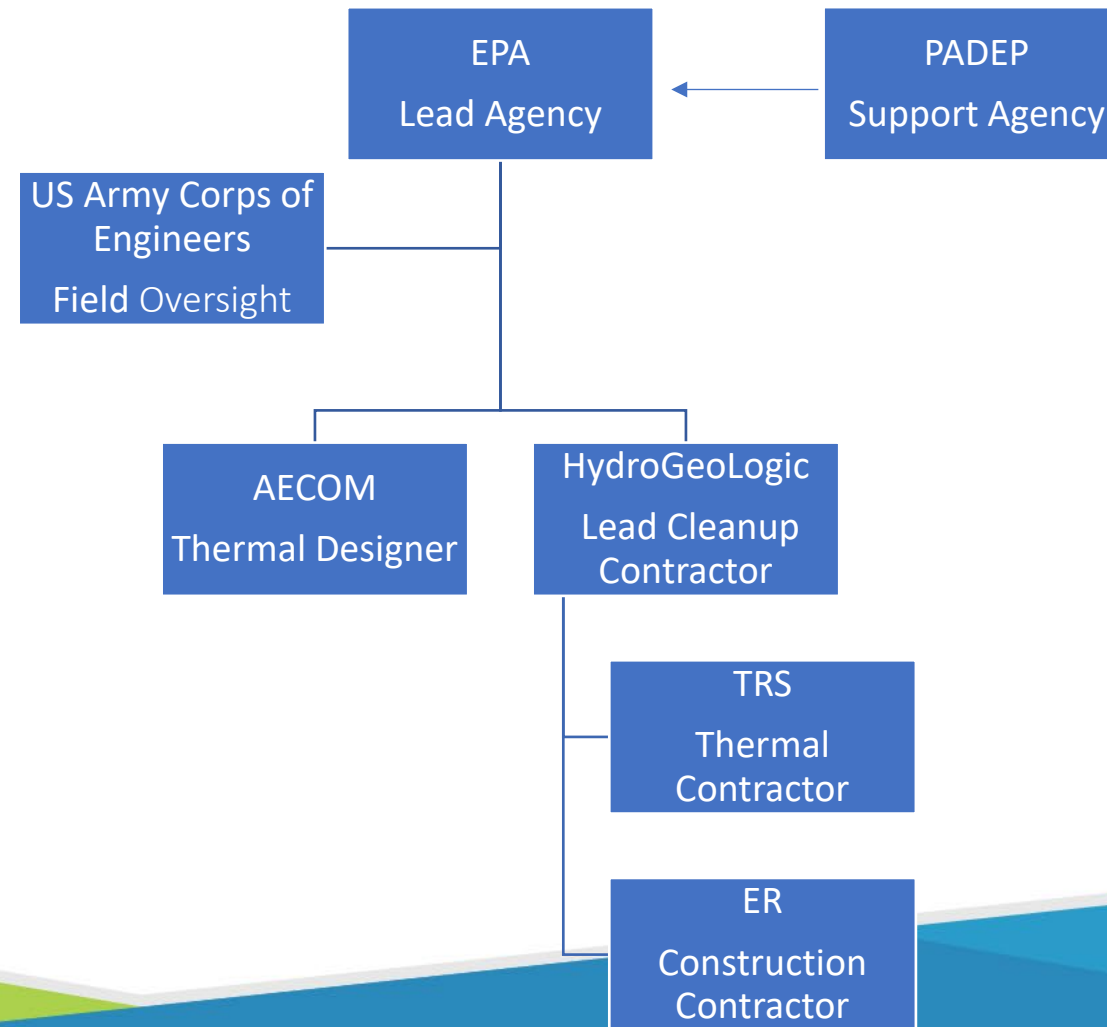


EPA's Cleanup Plan

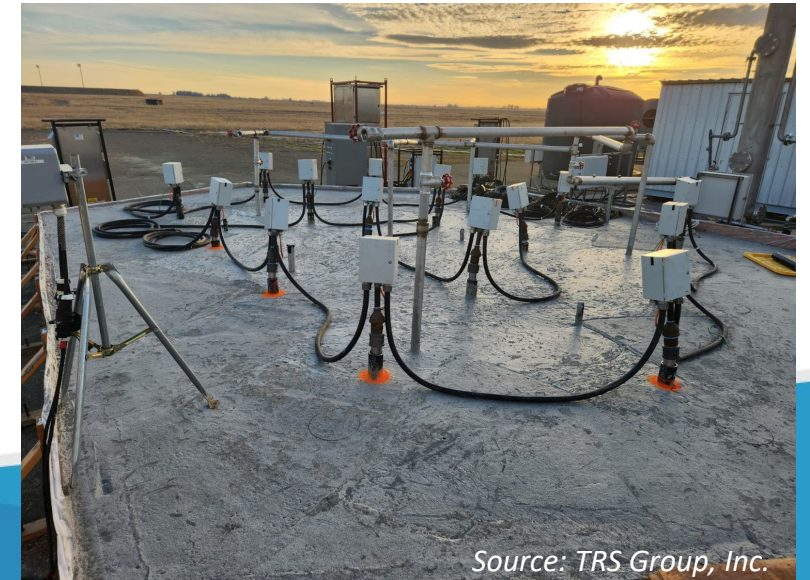
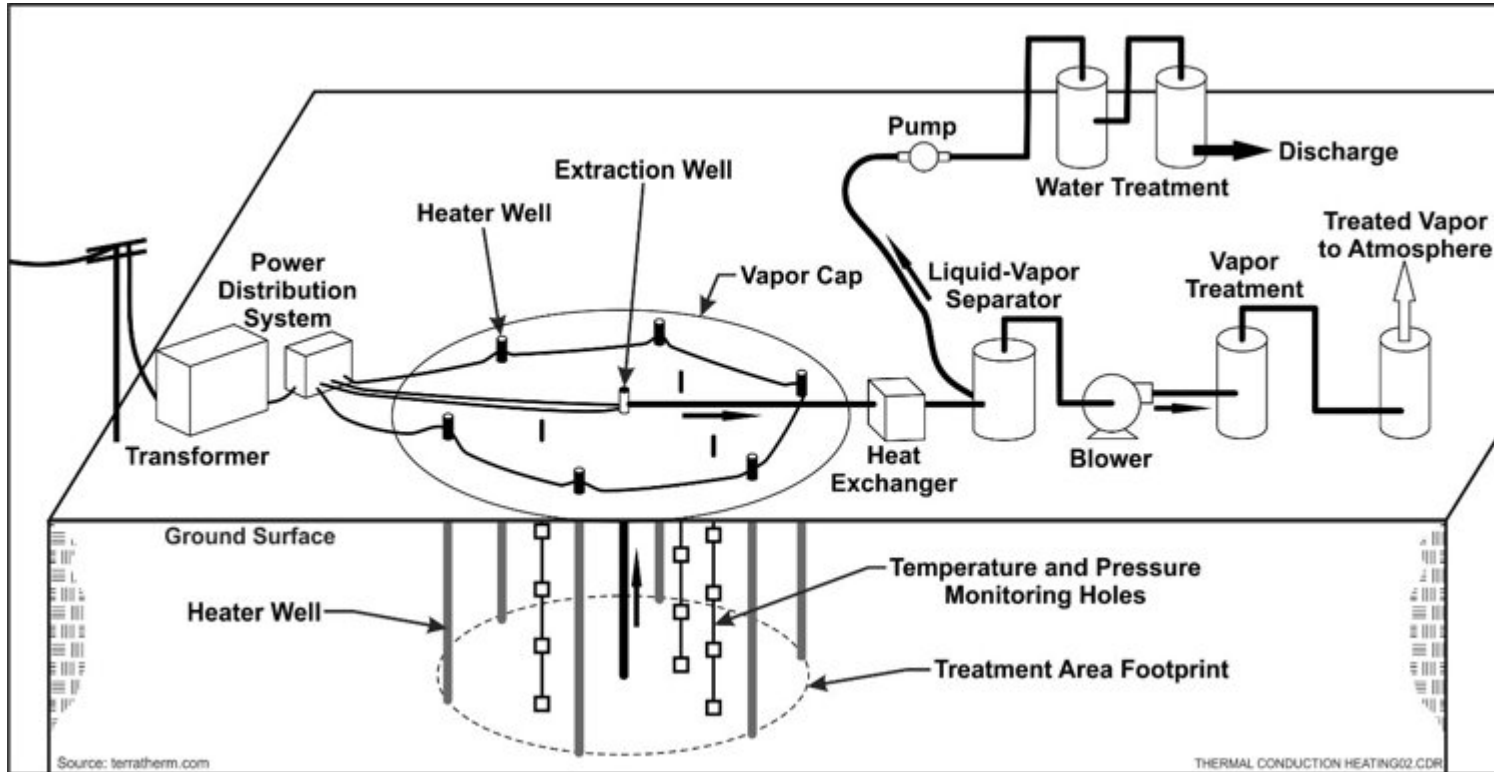
- In-Situ Thermal Remediation (ISTR) in the source area
- In-Situ Chemical Oxidation (ISCO) injections in three hot spot areas
- Groundwater and vapor intrusion monitoring
- Institutional controls



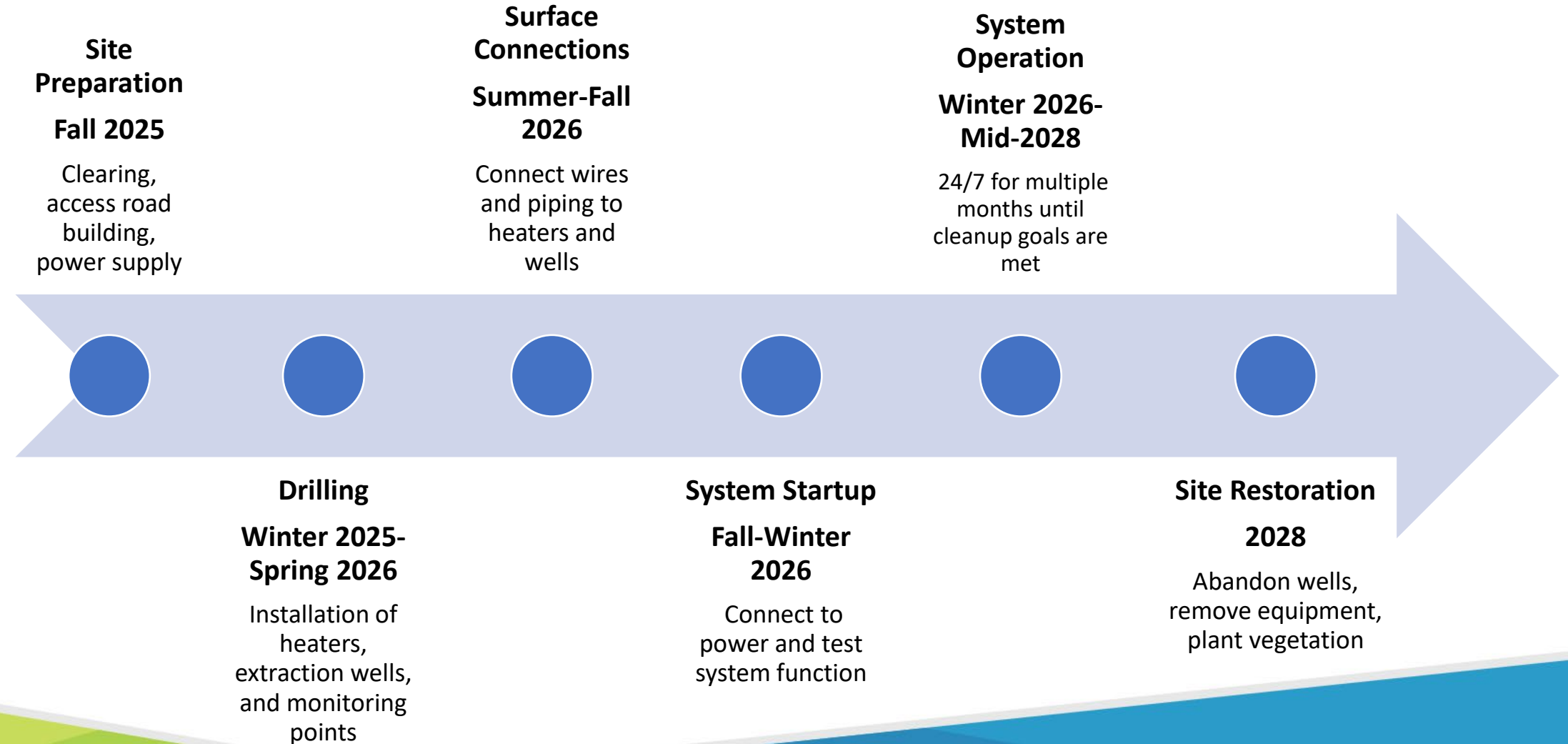
Thermal Cleanup: Project Team



Thermal Cleanup System

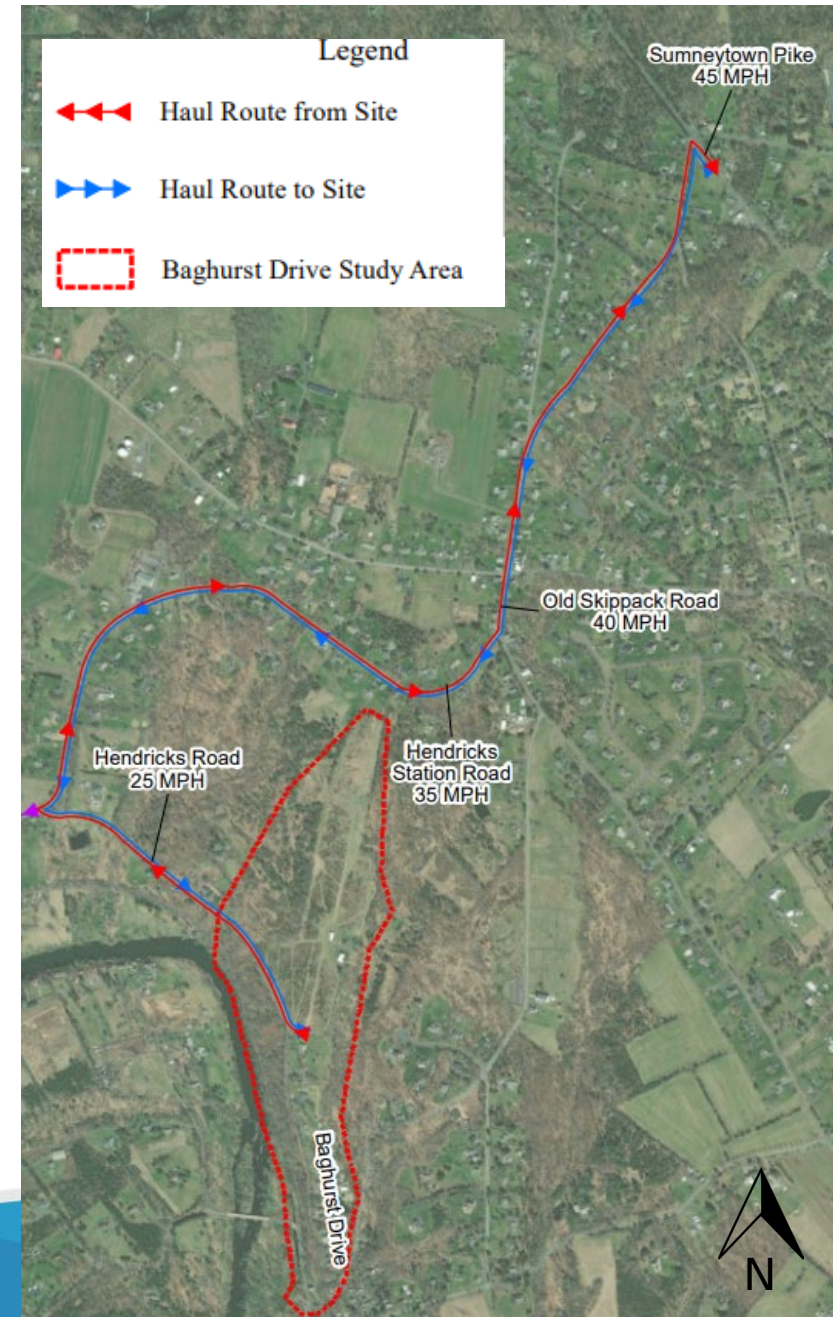


Thermal Cleanup Plan and Timeline



What to Expect During Cleanup

- Trucks arriving to site
 - Approximately 1-2 weeks with 20 loads per day, then intermittently during system installation and removal with up to 4 loads per day
- Daily site presence starting in October through the end of operations (2028)
 - Work hours are 7:00am – 5:00pm Monday through Friday
- Access road construction off Hendricks Road in fall 2025
- Utility pole installation on Hendricks Station Road in early 2026
- Heavy machinery operating in the work area
- Monitoring for air quality and noise
- Stormwater management best practices implemented



Minimizing Impact to the Community and Monitoring for Community Safety

- Perimeter fence, motion activated security cameras monitored 24/7 for site security
- Dust suppression
 - Water misting will be used in the work areas to minimize dust generation
 - Hendricks Road will be inspected for dust near the work areas and swept as needed
- Air monitoring devices will measure dust and VOCs (a result of the organic solvents released historically) in the air
 - Baseline monitoring before construction begins, real-time observations throughout construction, and response measures to correct emissions if established health-based dust or VOC levels are exceeded
- Baseline and bi-weekly noise monitoring during each major construction phase



Tow-behind water buffalo providing water mist for dust suppression

Source: One Clarion



Handheld photoionization detector for VOC monitoring
Source: Honeywell International, Inc.

Key Takeaways

- Thermal remediation is a key milestone in cleaning up the groundwater
- EPA and our team will work to minimize impacts to the community





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Baghurst Drive Website – Scan QR code or visit:

www.epa.gov/superfund/baghurst